

①⑨ RÉPUBLIQUE FRANÇAISE  
INSTITUT NATIONAL  
DE LA PROPRIÉTÉ INDUSTRIELLE  
PARIS

①① N° de publication :  
(à n'utiliser que pour les  
commandes de reproduction)

**2 587 892**

②① N° d'enregistrement national :

**85 14894**

⑤① Int Cl<sup>a</sup> : A 47 K 13/14.

①②

## DEMANDE DE CERTIFICAT D'UTILITÉ

A3

②② Date de dépôt : 1<sup>er</sup> octobre 1985.

③① Priorité :

⑦① Demandeur(s) : VIDAL Philippe. — FR.

⑦② Inventeur(s) : Philippe Vidal.

④③ Date de la mise à disposition du public de la  
demande : BOPI « Brevets » n° 14 du 3 avril 1987.

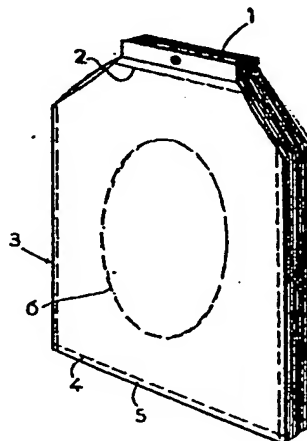
⑥① Références à d'autres documents nationaux appa-  
rentés :

⑦③ Titulaire(s) :

⑦④ Mandataire(s) : Cabinet Charras.

⑤④ Protection couvre-sièges de cabinets d'aisance.

⑤⑦ La protection couvre-siège du type réalisée en matière  
plastique susceptible d'être réalisée en liasse, et comportant  
une ouverture centrale de la forme de la lunette de l'abattant  
du siège, est remarquable en ce que ladite protection se  
présente sous la forme d'une housse s'engageant autour de  
l'abattant en le recouvrant en totalité, ladite housse étant  
détachable par une ligne de liaison du talon de liasse.



FR 2 587 892 - A3

- 1 -

L'invention concerne une protection couvre-sièges de cabinets d'aisance.

Le but recherché selon l'invention était la conception d'une protection assurant la propreté totale d'un siège de cabinet d'aisance pour chacun des usagers. Comparativement à l'art antérieur connu, le produit assure une hygiène totale sur l'abattant du siège, et de par sa conception, il offre une stabilité supérieure de positionnement.

Selon l'invention, la protection couvre-siège du type réalisé en matière polyéthylène est remarquable en ce qu'elle se présente sous la forme d'une housse susceptible de s'engager autour de l'abattant et le recouvrir en totalité.

La figure 1 est une vue en perspective illustrant une liasse d'une pluralité de protection couvre-sièges.

La figure 2 est une vue de côté illustrant l'adaptation d'une protection sur l'abattant.

La figure 3 est une vue en coupe longitudinale illustrant ladite housse.

La protection couvre-siège est réalisée en une matière plastique telle que polyéthylène ou autre. Elle peut être biodegradable. Elle comprend tout d'abord et de préférence, une partie formant talon (1) pour la réalisation de liasses. Une ligne de soudure ou ligne de prédécoupe (2) sépare le talon de la partie utile de la protection (3). Celle-ci est établie sous la forme d'une housse destinée à s'engager et recouvrir totalement l'abattant du siège. Une ouverture (3a) est ainsi prévue sur la protection à l'opposé du talon. En variante, on prévoit une autre ligne de soudure ou ligne de prédécoupe transversale (4) près de la bordure extrême de ladite housse garantissant ainsi sa non-utilisation préalable. La bande (5) extrême adjacente à ladite ligne (4) est détachée par simple traction manuelle autorisant ainsi l'engagement et le positionnement de la housse. Par ailleurs, il est prévu dans la partie centrale de la housse une forme ovalisée (6) en prédécoupe correspondant sensiblement à la lunette centrale de l'abattant. Il suffit de la détacher

par simple pression.

Ainsi, on garantit une hygiène totale de l'ensemble. Les opérations de prélèvement, de découpage et de positionnement de la housse sont très rapides et simples. Son positionnement  
5 est fiable et assuré. Ce produit répond de manière satisfaisante aux exigences particulières en matière d'équipement hôtelier par exemple.

L'invention ne se limite aucunement à celui de ses modes d'application non plus qu'à ceux des modes de réalisation  
10 de ses diverses parties ayant plus spécialement été indiquées ; elle en embrasse au contraire toutes les variantes.

- 3 -

## REVENDICATIONS

-1- Protection couvre-siège du type réalisé en matière plastique susceptible d'être réalisée en liasse, et comprenant une ouverture centrale de la forme de la lunette de l'abattant du siège, caractérisée en ce que ladite protection se présente sous  
5 la forme d'une housse s'engageant autour de l'abattant en le recouvrant en totalité, ladite housse étant détachable par une ligne de liaison du talon de liasse.

-2- Protection selon la revendication 1, caractérisée en ce que  
10 la housse comprend une ligne de prédécoupe ou soudure supplémentaire à l'opposé du talon pour sa mise en liaison, délimitant une bande détachable garantissant l'utilisation propre et nouvelle de la housse.

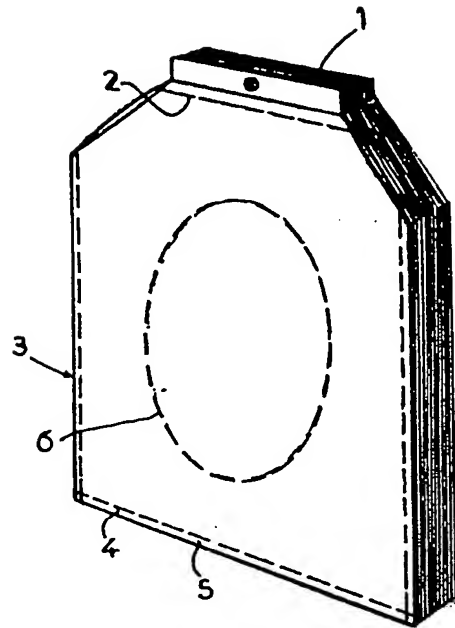


FIG. 1

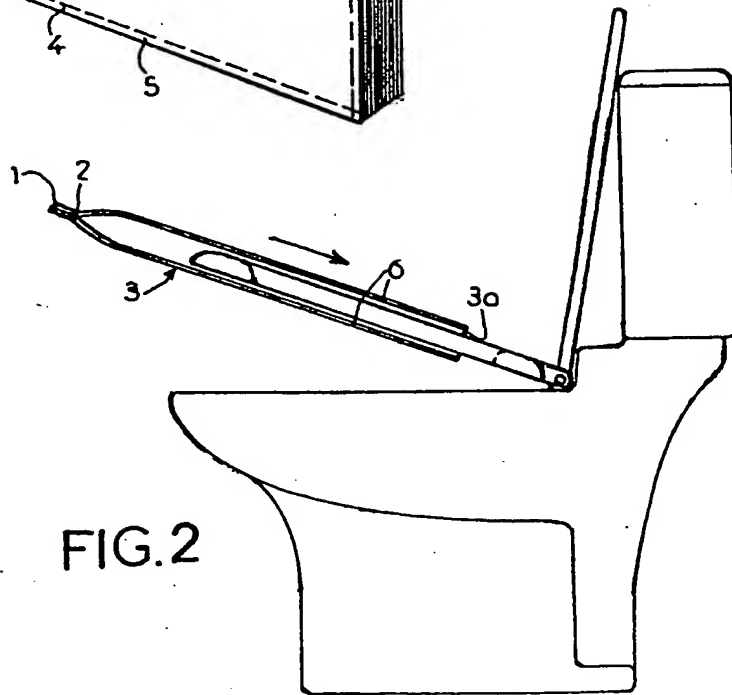


FIG. 2

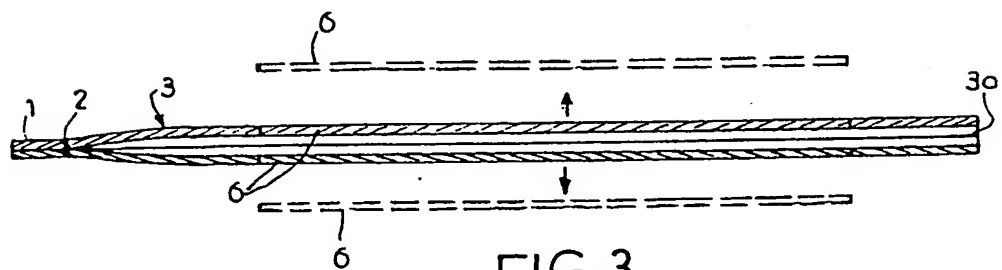


FIG. 3

PUB-NO: FR002587892A3  
DOCUMENT-IDENTIFIER: FR 2587892 A3  
TITLE: Protective seat-cover for toilets  
PUBN-DATE: April 3, 1987

ASSIGNEE-INFORMATION:

NAME	COUNTRY
VIDAL PHILIPPE	FR

APPL-NO: FR08514894  
APPL-DATE: October 1, 1985

PRIORITY-DATA: FR08514894A ( October 1, 1985)

INT-CL (IPC): A47K013/16

EUR-CL (EPC): A47K013/16

US-CL-CURRENT: 4/245.1

ABSTRACT:

The protective seat-cover of the type made from plastic material capable of being produced in bundles, and comprising a central opening in the shape of the lid of the toilet seat, is noteworthy in that the said protective article is in the shape of a cover engaging around the lid of the toilet seat by covering it entirely, with the said cover capable of being detached by means of a line linking it to the stub of the bundle. <IMAGE>

# (12) UK Patent Application (19) GB (11) 2 208 667 (13) A

(43) Date of A publication 12.04.1989

(21) Application No 8719493.2

(22) Date of filing 18.08.1987

(71) Applicant  
Stanley Berman  
Mill Farm, Yeldham Road, Stambourne, Essex,  
United Kingdom

(72) Inventor  
Stanley Berman

(74) Agent and/or Address for Service  
M Dean  
37 Glanleam Road, Stanmore, Middlesex, HA7 4NW,  
United Kingdom

(51) INT CL'  
A47K 13/16

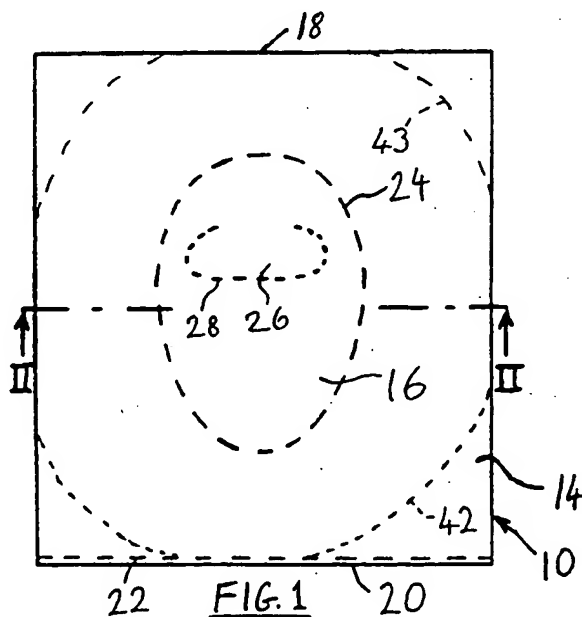
(52) UK CL (Edition J)  
E1C C35G1

(56) Documents cited  
GB 2182688 A GB 2097832 A GB 2075078 A  
GB 1600786 A WO 87/01022 A

(58) Field of search  
UK CL (Edition J) E1C  
INT CL' A47K

## (54) Disposable toilet seat cover

(57) A disposable toilet seat cover (10) comprises a sleeve (14) to fit over the seat, the sleeve having a central portion (16) omitted, or adapted to be readily removed, to enable normal use of the seat with the cover *in situ*. The cover is closed at one end (20) by a seam 22. The central portion (16) is adapted to be readily removed by weakening (24) therearound and has a hand-hold (26) formed, or adapted to be readily formed, therein to enable at least part of a hand to be passed through the central portion (16) to grip the same to remove it. The hand-hold (26) is formed by weakening (28) therearound or may be a slit. Weakening (28) is weaker than weakening (24). Cover (10) may have a soft filling. Covers (10) may be provided in a roll, pack or pad, with weakening to allow separation therefrom.



GB 2 208 667 A

2208667

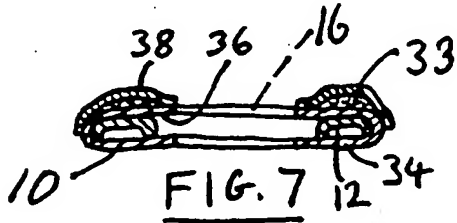
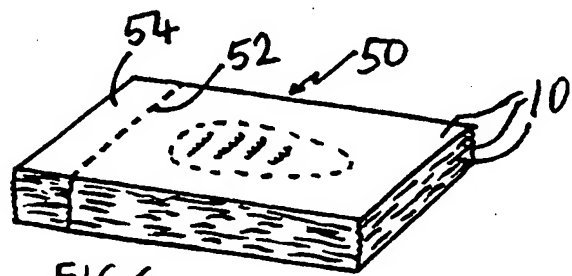
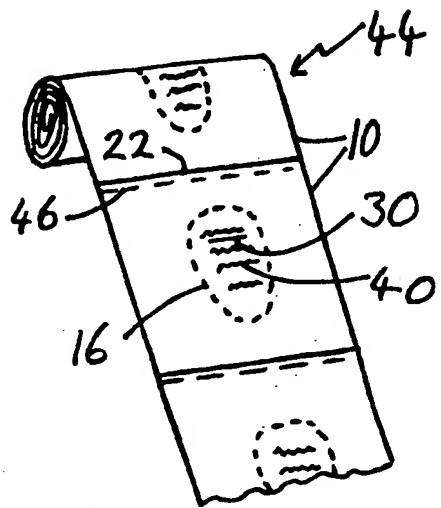
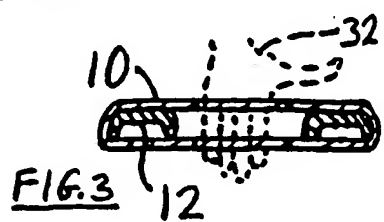
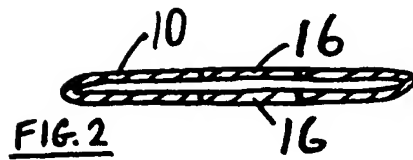
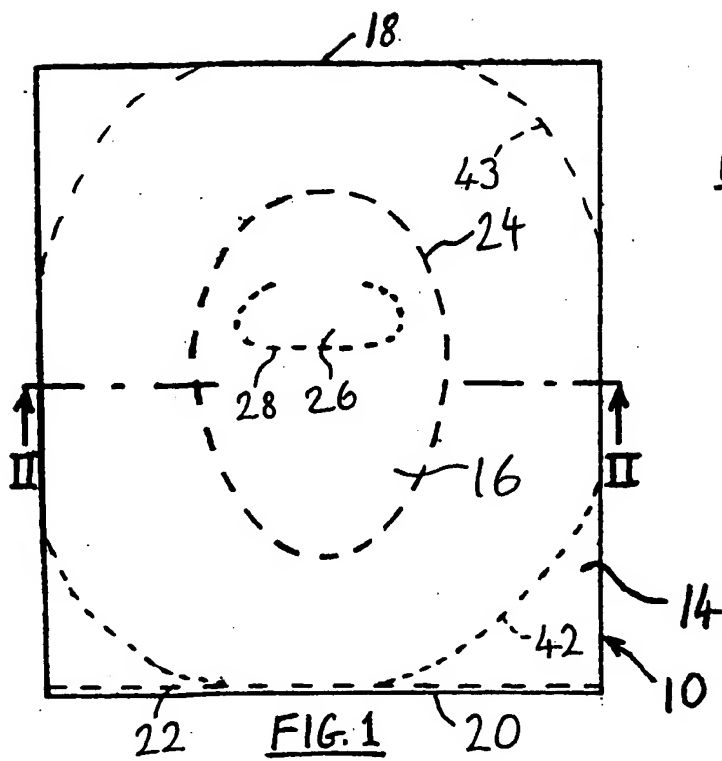


FIG. 4

FIG. 6

FIG. 7



"Toilet seat cover"

BACKGROUND TO THE INVENTION

This invention relates to toilet seat covers.

The term "toilet seat" refers to the upper surface round a lavatory pan upon which the user sits. The term can be used for (a) the upper rim of a porcelain lavatory pan, (b) the member which overlies such rim and is usually ring-shaped (though a front portion of such ring may be omitted), or (c) a member that overlies such ring-shaped member and has no central omitted portion. The toilet seat according to (b) and (c) is usually hinged at the back to the porcelain pan so that each can be lifted at the front from the pan.

There are many toilet seats of type (b) in public use. Frequently, the intending user has little idea of the degree of cleanliness and hygiene of these and in many places, e.g. hotels, public houses, restaurants, theatres, cinemas, trains, ships, aeroplanes, stations, sports arenas, which list is by no means exhaustive, the seats are frequently found soiled or wet. The user then has to forego their use or, e.g., put down a layer of toilet paper to cover the seat.

THE INVENTION

The invention concerns toilet seats of type (b).

The invention consists in a cover as claimed in claim 1.

Such a cover can avoid problems of hygiene as described above, can be made as readily available as toilet paper, or readily available

2.

from a vending machine, or able to be carried around in packs of the same by the user, and can be readily disposable.

If the sleeve is closed at one end, it is easier to fit on to a toilet seat. For ease of manufacture, the end closure can be in the form of a seam and/or the sleeve can have said central portion, adapted to be readily removed by weakening therearound

For ease of use, the central portion has a hand-hold formed, or adapted to be readily formed, therein to enable at least part of a hand to be passed through the central portion to grip the same to remove it. Such a hand-hold can be a hole in the central portion or can be adapted to be formed by weakening partly or wholly therearound, or can be adapted to be formed by a line (e.g. a straight line) of weakening which is simply broken by the hand being put therethrough. Preferably, the hand-hold weakening is substantially weaker than the weakening around the central portion, so that the hand can first pierce the handhold without removing the central portion, and can then grip and remove the central portion readily.

The cover can comprise plastics material, e.g. 80 gauge polythene, and/or paper. It may comprise a soft filling and, in one preferred form, the cover comprises an outer plastics portion having an upper double layer with a soft filling of flocculent paper or plastics material.

A preferred shape of the cover is substantially rectangular with an oval central portion, more preferably of outside dimensions about 40 cm x 45 cm with a central opening of major and minor diameters of about 20 cm and 25 cm.

3.

There can be provided a roll of covers, each embodying the invention and adapted to be separated from the roll by a line of weakening.

Again, there can be provided a pack of covers each according to the invention and able to be withdrawn individually from the pack.

Yet again, there can be provided a pad of covers, each according to the invention and attached at a line of weakening to a common header.

Reference will now be made by way of example to the accompanying drawings, in which -

- Fig. 1 is a plan view of a cover embodying the invention;
- Fig. 2 is a section along the line II-II of Fig. 1;
- Fig. 3 is a section (corresponding to Fig. 2) of the cover in place on a toilet seat;
- Fig. 4 is a perspective view of a roll of the covers;
- Fig. 5 is a perspective view of a pack of the covers;
- Fig. 6 is a perspective view of a pad of the covers; and
- Fig. 7 is a view corresponding to Fig. 3 of another embodiment of the cover.

Referring to the drawings, and more particularly Figs. 1, 2 and 3, a disposable cover 10 for a centreless toilet seat 12 of the liftable kind, comprises a sleeve 14 to fit over the seat 12, the sleeve having a central portion 16 adapted to be readily removed to enable normal use of the seat 12 with the cover 10 in situ.

(Alternatively, the cover may be provided with the portion 16 already omitted, e.g. as seen in Fig. 5.) The sleeve 14 may be open both at the back end 18 and front end 20, or it may be closed at one end 20. This end closure is in the form of a seam 22. The sleeve 14 has its central portion 16 adapted to be readily removed by weakening there around, along line 24. This may conveniently be a line of slits or a line of perforations. The central portion 16 has a hand-hold 26 adapted to be readily formed therein to enable at least part of a hand to be passed through the central portion 16 to grip the same to remove it, as shown in Fig. 3.

The hand-hold 26 is adapted to be formed by a line 28 of weakening partly (as shown in Fig. 1) or wholly therearound. A suitable hand-hold may be formed by having simply a straight line of weakening. Alternatively, the hand-hold may already be formed, e.g. as a line cut 30 as exemplified in Fig. 4. In the embodiment shown in Fig. 1, the hand-hold weakening 28 is substantially weaker than the weakening 24 around the central portion 16, so that a hand 32 pushed through central portion 16 will first break weakening 28 and can then, by gripping central portion 16 break weakening 24 to remove central portion 16.

Cover 10 as seen in Figs. 1 and 2 comprises plastics material, preferably being made of 80 gauge polythene, that is preferably opaque white. Alternatively, cover 10 as shown in Fig. 5 may comprise paper, e.g. a kraft paper. In a completely different embodiment, as illustrated in Fig. 7, the cover 10 comprises a soft filling 33. This can be the same shape and size as cover 10/in the Fig. 1 between the lines 24, 42 and 43 embodiment. It comprises an outer plastics portion 34 (i.e. outside centre portion 16) having an upper double layer 36, 38 with a soft filling 33 of flocculent paper or plastics material. This provides a soft cushion to overlie the seat 12. As shown in Fig. 7, the centre portion 16 is omitted or removed.

In all the embodiments shown, the cover is substantially rectangular with an oval central portion 16. The cover is of outside diameters about 40 cm x 45 cm with the central portion of major and minor diameters of about 20 cm and 25 cm (preferably 18 cm and 27 cm).

6.

The central portion 16 may be provided with instructions 40,

e.g.:-

1. Tear out this portion.
2. Slide cover over toilet seat.
3. After use, place in bin provided.
4. Do not flush down toilet.  
(Instructions 1. and 2. may be in reverse order.)  
The provision of seam 22 or other closure at edge 20 facilitates

fitting of cover 10 onto seat 12: it is simply pushed on until edge 20 reaches the front of seat 12. However, a cover 10 can be used which has an open end 20, then relying on the commonsense of <sup>the</sup> user not to push it too far on to the seat 12. In a further embodiment indicated by dashed line 42 in Fig. 1, the front edge 20 is shaped approximately to correspond to the shape of the outer front edge of a seat 12.

There may be provided a roll 44, Fig. 4, of the covers 10, each adapted to be separated from the roll by a line 46 of weakening. This is particularly suitable in use in a vending machine. Alternatively, there may be provided a pack 48, Fig. 5, of the covers 10, each able to be withdrawn individually from the pack. Yet again, there may be provided a pad 50 of the covers 10, each attached at a line 52 of weakening (e.g. perforations or slits) to a common header 54. Each cover 10 is detached from header 54 for use. This is useful for, e.g., hotels.

Soft filling 33 may alternatively be provided by cushion-bubble plastics material, e.g. having  $\frac{1}{2}$  cm. hemispherical bubbles in hexagonal array, as is commonly used in packaging.

CLAIMS

1. A disposable cover for a centreless toilet seat of the liftable kind, comprising a sleeve to fit over the seat, the sleeve having a central portion omitted, or adapted to be readily removed, to enable normal use of the seat with the cover in situ.
2. A cover as claimed in claim 1, in which the sleeve is closed at one end.
3. A cover as claimed in claim 2, in which the end closure is in the form of a seam
4. A cover as claimed in any preceding claim, in which the sleeve has said central portion, adapted to be readily removed by weakening therearound.
5. A cover as claimed in claim 4, in which the central portion has a hand-hold formed, or adapted to be readily formed, therein to enable at least part of a hand to be passed through the central portion to grip the same to remove it
6. A cover as claimed in claim 5, in which the hand-hold is a hole in the central portion
7. A cover as <sup>claimed</sup> in claim 5, in which the hand-hold is adapted to be formed by weakening therearound
8. A cover as claimed in claim 5, in which the hand-hold is adapted to be formed by a line of weakening
9. A cover as claimed in claim 7 or 8, in which the hand-hold weakening is substantially weaker than the weakening around the central portion.
10. A cover as claimed in any preceding claim, comprising plastics material.

11. A cover as claimed in claim 10, in which the plastics material comprises 80 gauge polythene.

12. A cover as claimed in any one of claims 1 to 9, comprising paper.

13. A cover as claimed in any preceding claim, comprising a soft filling.

14. A cover as claimed in claim 13, comprising an outer plastics portion having an upper double layer with a soft filling of flocculent paper or plastics material.

15. A cover as claimed in any preceding claim, which is substantially rectangular with an oval central portion.

16. A cover as claimed in claim 16, which is of outside dimensions about 14 cm x 45 cm with the central portion of major and minor diameters of about 20 cm and 25 cm.

17. A disposable cover for a centreless toilet seat of the liftable kind, and substantially according to any embodiment hereinbefore described.

18. A disposable cover for a centreless toilet seat of the liftable kind, and substantially according to any embodiment hereinbefore described with reference to and illustrated in the accompanying drawings.

19. A roll of covers, each as claimed in any preceding claim and adapted to be separated from the roll by a line of weakening.

20. A pack of covers, each as claimed in any one of claims 1 to 18 and able to be withdrawn individually from the pack.

21. A pad of covers, each as claimed in any one of claims 1 to 18 and attached at a line of weakening to a common header.

22. A roll, pack or pad of covers, substantially according to any embodiment hereinbefore described.

23. A roll, pack or pad of covers, substantially according to any embodiment hereinbefore described with reference to and illustrated in the accompanying drawings.